

# 60227 IEC 53

300/500 V. 70°C FLEXIBLE CONDUCTOR  
PVC INSULATED AND SHEATHED, 3 CORES



## APPLICATION

- Use for connecting portable electric appliances (heavy duty)
- Use for connecting lamp

TESTING VOLTAGE : 2,000 Volts

REFERENCE STANDARD :

TIS 11-2553 PART 5, TABLE 9

## CABLE STRUCTURE

CONDUCTOR : Flexible Annealed Copper

CLASS 5 Size 0.75, 1, 1.5 & 2.5 mm<sup>2</sup>

INSULATION : Polyvinyl chloride type PVC/D

SHEATHED : Polyvinyl chloride type PVC/ST5

## CLASSIFICATION

Maximum Conductor Temperature : 70°C

Circuit Voltage does not exceed

300/500 Volts (U<sub>0</sub>/U)

300 Volts between Line to Earth (U<sub>0</sub>)

500 Volts between Line to Line (U)

## Technical Data



TIS 11-2553 PART 5, TABLE 9

| Nominal cross sectional area | Conductor type | Number of wires | Diameter of wires | Diameter (approx.) | Nominal insulation thickness | Nominal sheathed thickness | Overall diameter (approx.) |         | Maximum conductor resistance at 20°C | Minimum insulation resistance at 70°C | Current rating in free air | Cable weight (approx.) | Standard packing |
|------------------------------|----------------|-----------------|-------------------|--------------------|------------------------------|----------------------------|----------------------------|---------|--------------------------------------|---------------------------------------|----------------------------|------------------------|------------------|
|                              |                |                 |                   |                    |                              |                            | minimum                    | maximum |                                      |                                       |                            |                        |                  |
| mm <sup>2</sup>              | Class          | No.             | mm                | mm                 | mm                           | mm                         | mm                         | mm      | Ω/km                                 | MΩ-km                                 | A                          | kg/km                  | m                |
| 0.75                         | 5              | 24              | 0.21              | 1.13               | 0.6                          | 0.8                        | 6.0                        | 7.6     | 26.0                                 | 0.011                                 | 6                          | 70                     | 100/C            |
| 1                            | 5              | 32              | 0.21              | 1.31               | 0.6                          | 0.8                        | 6.3                        | 8.0     | 19.5                                 | 0.010                                 | 10                         | 82                     | 100/C            |
| 1.5                          | 5              | 30              | 0.26              | 1.58               | 0.7                          | 0.9                        | 7.4                        | 9.4     | 13.3                                 | 0.010                                 | 16                         | 115                    | 1,000/D          |
| 2.5                          | 5              | 50              | 0.26              | 2.04               | 0.8                          | 1.1                        | 9.2                        | 11.4    | 7.98                                 | 0.009                                 | 20                         | 175                    | 1,000/D          |

Conductor Class 5 : Flexible

C : Packing in coil

D : Packing in drum

Core Color :

• Option 1 : Brown, Black, Grey

• Option 2 : Blue, Brown, Green/Yellow

การใช้งาน

- ใช้ต่อเข้าเครื่องใช้ไฟฟ้าชนิดหีบยกได้ (ใช้งานหนัก)
- ใช้ต่อเข้าดวงโคม